AMENDMENTS TO THE CLAIMS

What is claimed is:

5	1. (Currently Amended) A continuous manufacturing system for composite
	aluminum panels comprising;
	a continuous expanding device CE-for expanding raw material of a core consisting
	ofcomprising:
	a <u>first_cramp 21</u> _for holding raw material 2a _before expansion (pre-
10	expanding) for manufacturing a honeycomb type core, which is disposed at a right part of a
	raw material supplier,;
	a-the raw material supplier S that comprising:
	a pusher 29-for pushing raw material having a number of U type
	grooves 29'in a certain space, wherein the pusher -is fixed on the an right upper end of
15	□ type brackets 20,20', ;
	a number plurality of sliding rods 31-installed from the raw material supplier
	to a vicinity of a transferring roller for sliding raw material 2a-for the core-and-the-core
	2, ;
	a subsidiary cramp 22- for holding fixedly a right side of the core, which is
20	disposed at the right part of the first cramp, that reciprocates the subsidiary cramp
	reciprocating from side to side on racks 37, by means of a cylinder (not shown in Figs) and
	simultaneously is ascended ascends and is descended descends by means of perpendicular
	cylinders 34, ;
	a second cramp 23-for expanding a-the raw material for the core to a right side
25	of a main body, which is disposed at the right part of the subsidiary cramp, that
	reciprocates the second cramp reciprocating from side to side by means of a cylinder (not
	shown in Figs) and ascends and descends by means of perpendicular cylinders 35,35',;
	a-the transferring roller 25-running idle for transferring an expanded core that
	by cooperating the second cramp, which is situates situated at the right end side of the main

	body-B; and
	a-the_main body AH of a continuous manufacturing system for composite aluminum
	panels consisting of comprising:
	a suppling first supplying part E for providing upper and lower sides of the
5	expanded honeycomb type core with top and bottom aluminum plates 3,3',by passing
	through rollers 5,5', 6,6' from the upper and lower rollers 4, the upper and lower sides of
	said expanded honeycomb type core 2,;
	a suppling second supplying part F-for providing adhering materials, which is
	disposed between the upper and lower rollers,
10	a combination part Lfor combining the aluminum plates, the adhering
	materials and the expanded honeycomb type core, which comprising includes the upper and
	lower rollers 8,8', ;
	a hot pressing part P-for pressing composite aluminum panels supplied from the
	combination part, the hot pressing part comprising:
15	upper and lower rollershot pressings 11,11', 12;
	hot pressing and supporting rollers, and
	a finishing part-M comprising:
	a quick cooling apparatus 14,;
	a slow cooling apparatus-15,;
20	an adhering roller 17-for protecting tape,:
	a side cutter 18-for cutting sides of completed panel; and
	a roller 16-for pinching the completed panel established in sequence behind
	said-the hot pressing part P.
25	2. (Currently Amended) A continuous manufacturing system for composite
	aluminum panels in accordance with claim 1 in which said first cramp 21 comprises
	perpendicular cylinders 33, for ascending and descending the first cramp 21, a cylinder 27
	for reciprocating from side to side it on racks 37, 37' established on the an upper part of a
	the main body B-and its-an outer end-is-mounted on a perpendicular plate 10-of said main

30 body-B.

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- (Currently Amended) A continuous manufacturing system for composite aluminum panels in accordance with claim 1 in which said raw material supplier S-is mounted on the a perpendicular plate 10-fixed on the an upper end of the main body B-and reciprocated from side to side by means of cylinders 28, 28' connected with lower ends of said the brackets.
- 4. (Currently Amended) A continuous manufacturing system for composite aluminum panels in accordance with claim 1 in which the a front side of the a most outer rod of said a numberplurality of sliding rods 31-for sliding raw material 2a-for the core and the core 2 are is connected with a centering handle 32-controlling their a positions position in a front and in the rear, and their right and left ends are mounted on the grooves 29'of of said pusher 29-and on a length-wise supporter 30 equipped provided under a the transferring roller 25-which mounted on the right end of the expanding device—CE, respectively.
- 5. (Currently Amended) A continuous manufacturing system for composite aluminum panels in accordance with claim 1 in which said suppling supplying part F-for providing adhering materials comprises any one device selected from a device for providing hot-melt films—7, roles rollers—7a, providing film, an applicate applicator (not shown in Figs) spraying hot melting thermoplastic resin adhesive and a device (not shown in Figs) for spraying liquid thermosetting resin adhesive.
- 6. (Currently Amended) A continuous manufacturing system for composite aluminum panels in accordance with claim 5 in which said hot melting thermoplastic resin adhesive is made from any one of thermoplastic resins selected from polyethylene, polyisobutylene, polyamide, ethylene vinyl acetate copolymer and polyurethane.

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7. (Currently Amended) A continuous manufacturing system for composite aluminum panels in accordance with claim 5 in which said liquid thermosetting resin adhesive made from any one of thermosetting resins selected from epoxy or phenol resin.

8. (Currently Amended) A continuous manufacturing system for composite aluminum panels in accordance with claim 1 in which between, before or behind the combination part L-and the hot pressing part P, a thickness controlling part D-consisting of rollers 9, for controlling thickness, and a side supporting part G-consisting of apparatuses 13, 13', for supporting sides of the a completed panel be established are provided.

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